

ABSTRACT OF THE DISCLOSURE

A semiconductor pressure sensor includes a semiconductor substrate having a diaphragm for receiving pressure and a bridge circuit for detecting a distortion of the diaphragm corresponding to the pressure. The bridge circuit includes a pair of first gauge resistors and a pair of second gauge resistors. The first gauge resistors are disposed on a center of the diaphragm, and the second gauge resistors are disposed on a periphery of the diaphragm. Each first gauge resistor has a first resistance, which is larger than a second resistance of each second gauge resistor. The TNO property of the sensor is improved, so that the sensor has high detection accuracy.